THE CLAIMS

A detailed listing of Claims 1 - 24 is provided below. A status identifier is provided for each claim in a parenthetical expression following each claim number.

Claims 1 - 11: (Canceled)

12. (Currently Amended) ~~The~~ A method ~~of claim 11~~ for calculating the jitter of a packet flow sent by a program on a sending computer over a network to a receiving computer, comprising:

accessing data collected on the sending computer, said data comprising identifiers of a plurality of packets sent by the program along with timestamps representing the times of transmission of the sent packets;

accessing data collected on the receiving computer, said data comprising identifiers of a plurality of packets received from the network along with timestamps representing the times of reception of the received packets;

associating, through the use of the sent and received packet identifiers, at least some of the sent packets with received packets by comparing a field uniquely identifying the packet flow in the sent and received packet identifiers and comparing an IP ID assigned to the packet in the sent and received packet identifiers; and

calculating jitter as the variation in the differences between the reception and transmission timestamps of associated packets.

wherein associating at least some of the sent packets with received packets comprises using the received packet identifiers to reorder the data collected on the receiving computer into the order in which the received packets were sent,

wherein reodering comprises comparing a rollover component of the received packet identifiers, and

wherein reordering further comprises imposing a window on the range of possible values of the rollover component ~~of the received packet identifiers and reordering only the data the values of whose rollover component are within the window~~ that is smaller than the range of possible values.

13. (Currently Amended) The method of claim ~~1~~ 12 wherein reordering further comprises ~~imposing a window that is smaller than the range of possible values of the rollover component of the received packet identifiers, reordering only the data the values of whose rollover component are within the window, and~~ moving the window throughout the range until all the data are reordered.

14. (Currently Amended) ~~The~~ A method ~~of claim 11~~ for calculating the jitter of a packet flow sent by a program on a sending computer over a network to a receiving computer, comprising:

accessing data collected on the sending computer, said data comprising identifiers of a plurality of packets sent by the program

along with timestamps representing the times of transmission of the sent packets;

accessing data collected on the receiving computer, said data comprising identifiers of a plurality of packets received from the network along with timestamps representing the times of reception of the received packets;

associating, through the use of the sent and received packet identifiers, at least some of the sent packets with received packets by comparing a field uniquely identifying the packet flow in the sent and received packet identifiers and comparing an IP ID assigned to the packet in the sent and received packet identifiers; and

calculating jitter as the variation in the differences between the reception and transmission timestamps of associated packets,

wherein associating at least some of the sent packets with received packets comprises using the received packet identifiers to reorder the data collected on the receiving computer into the order in which the received packets were sent,

wherein reordering comprises comparing a rollover component of the received packet identifiers,

wherein associating comprises imposing a window on the range of possible values of the rollover component that is smaller than the range of possible values of the rollover component of the received packet identifiers and searching for a received packet identifier to match a sent

packet identifier only among those data the values of whose rollover component are within the window.

15. (Currently Amended) The method of claim 14 wherein associating further comprises ~~imposing a window that is smaller than the range of possible values of the rollover component of the received packet identifiers, searching for a received packet identifier to match a sent packet identifier only among those data the values of whose rollover component are within the window, and~~ moving the window throughout the range until all sent packets are either associated with received packets or are noted as lost in transmission.

Claims 16 - 24: (Canceled)